



04-20-05

IPW?

Atty. Dkt. No. 9278-100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Baudenbacher, et al.

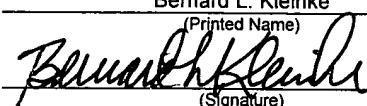
Title: SUPERCONDUCTING QUANTUM INTERFERENCE APPARATUS AND METHOD FOR HIGH RESOLUTION IMAGING OF SAMPLES

Appl. No.: 10/650,263

Filing Date: August 27, 2003

Examiner: Whittington, Kenneth

Art Unit: 2862

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INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are:

- Information Disclosure Statement Pursuant to 37 C.F.R. § 1.56.
- Form PTO/SB/08B with listed references (3 pages).
- Copies of References Listed on Form PTO/SB/08B (27 references).
- Credit Card Payment Form
- The Commissioner is hereby authorized to charge any additional fees which may be required either now or in the future regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to the Deposit Account No. 502635 of DUCKOR SPRADLING METZGER & WYNNE. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to the Deposit Account

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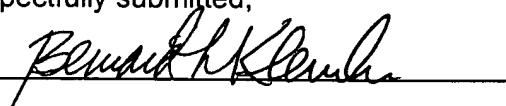
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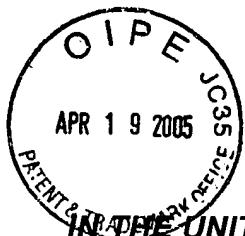
DUCKOR SPRADLING METZGER & WYNNE
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401 West A Street, Suite 2400
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Respectfully submitted,

By



Bernard L. Kleinke
Attorney for Applicant
Registration No. 22,123



Atty. Dkt. No. 9278-100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Baudenbacher, et al.

Title: SUPERCONDUCTING QUANTUM
INTERFERENCE APPARATUS AND
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(Printed Name)

4-19-2005

(Signature)

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INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

According to Applicant's REPLY AND AMENDMENT mailed March 8, 2005, page 16, paragraph 2, "The Applicants will provide an additional Information Disclosure Statement and Form 1449 for the remaining references/articles cited in the Applicant's Disclosure from pages 1-4 when the remaining references/articles are located. It is anticipated this will be completed within a few weeks of this Reply and Amendment." Enclosed are the remaining references/articles.

Submitted herewith on Form PTO/SB/08B is a listing of documents known to Applicants, in order to comply with Applicants' duty of disclosure pursuant to 37 CFR § 1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR § 1.97 and § 1.98.

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180.00 OP

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that any documents constitute prior art against the claims of the present application or that any documents are considered material to patentability as defined in 37 CFR § 1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present Application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted before the mailing date of any final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, and it is accompanied by the fee set forth in § 1.17(p).]

RELEVANCE OF EACH DOCUMENT

The relevance of the documents is described in the present specification. All of the documents are in English. Applicants respectfully request that any listed documents be considered by the Examiner and be made of record in the present application and that any initial copy of PTO/SB/08B be returned in accordance with MPEP § 609.

PETITION AND FEE

It is hereby respectfully petitioned that the documents listed on the attached form PTO/SB/08B be considered by the Examiner and formally made of record. A petition fee in the amount of \$180.00 in accordance with 37 CFR § 1.17(p) is attached.

Applicants submit herewith on PTO/SB/08B a listing of the documents cited by or submitted to the USPTO in patent application serial number 10/650,263, filed August 27, 2003.

Respectfully submitted,

Date: 4-19-2005

By Bernard L. Kleinke

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**AUTHORIZATION TO PAY AND PETITION FOR THE
ACCEPTANCE OF ANY NECESSARY FEES**

The Commissioner is hereby authorized to charge any additional fees which may be required either now or in the future regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to the Deposit Account No. 502635 of DUCKOR SPRADLING METZGER & WYNNE. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to the Deposit Account No. 502635 of DUCKOR SPRADLING METZGER & WYNNE. If any charges or fees must be paid in connection with the foregoing, concurrent or future communication (including, but not limited to, the payment of an extension fee or issue fees), or if any overpayment is to be refunded in connection with the above-identified application, any such charges or fees, or any such overpayment may be respectfully paid out of, or into, the Deposit Account No. 502635 of DUCKOR SPRADLING METZGER & WYNNE. If any such payment also requires a petition or extension request, please construe this authorization to pay as the necessary petition or request, which is required to accompany the payment.

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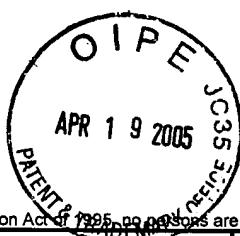
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PTO/SB/08B (08-03)

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Substitute for form 1449/PTO

Complete if Known

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

3

Application Number	10/650,263
Filing Date	August 27, 2003
First Named Inventor	Baudenbacher, et al.
Art Unit	2862
Examiner Name	Kenneth Whittington

Attorney Docket Number

9278-100 (9129-111)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A	TOULOUKIAN, Y.S., BUYCO, E.H., "Thermophysical Properties of Matter," 1970, Vol.5 IFI/Plenum, N.Y.	
	B	TESCHE, C.D., CLARKE, J., "dc SQUID: Noise and Optimization," J. Low Temp. Phys., 1977, pp. 301-329, Vol.29, Nos. 3/4	
	C	ROTH, B.J., WIKSWO, J.P. JR., "A Bidomain Model for the Extracellular Potential and Magnetic Field of...," IEEE Trans. Biomed. Engng., 1986, pp. 467-469, Vol.BME33 (4)	
	D	WIKSWO, J.P. JR., Fast, R.W. (Ed.), "High-Resolution Measurements of Biomagnetic Fields," Adv. Cryo. Engng., 1988, pp.107-116, Vol.33	
	E	ROTH, B.J., et al., "Using a Magnetometer to Image a Two-Dimensional Current Distribution," J. Appl. Phys., 1989, pp. 361-372, Vol.65, No.1	
	F	SEPULVEDA, N.G., et al., "Current Injection Into a Two-Dimensional Anisotropic Bidomain," Biophys. J., 1989, pp. 987-999, Vol.55	
	G	TAN, S., et al., "The Magnetic Field of Cortical Current Sources: the Application of a Spatial Filtering Model to the Forward...," Bull. Am. Phys. Soc., 1989, pp.1301, Vol.34	
	H	ROTH, B.J., WIKSWO, J.P. JR., "Apodized Pickup Coils for Improved Spatial Resolution of SQUID Magnetometers," Rev. Sci. Instrum., 1990, pp.2439-2448, Vol.61	
	I	THOMAS, I.M., et al., "High-Resolution Magnetic Susceptibility Imaging: A New Technique for Studying Pyroclastic Rock...," Trans., Am. Geophys. Union, 1991, pp. 138, Vol.72	
	J	BLACK, R.C., et al., "Magnetic Microscopy Using a Liquid Nitrogen Cooled (YBCO) Superconducting Quantum Interference Device," Appl. Phys. Lett., 1993, pp. 2128-2130, Vol.62	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:
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				Application Number	10/650,263
				Filing Date	August 27, 2003
				First Named Inventor	Baudenbacher, et al.
				Art Unit	2862
				Examiner Name	Kenneth Whittington
Sheet	2	of	3	Attorney Docket Number	9278-100 (9129-111)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	K	HENRIQUEZ, C.S., Ph.D., "Simulating the Electrical Behavior of Cardiac Tissue Using the Bidomain Model," Crit. Rev. Biomed. Engng., 1993, pp. 1-77, Vol.21(1)	
	L	THOMAS, I.M., et al., "A Distributed Quasi-Static Ionic Current Source in the 3-4 Day Old Chicken Embryo," Phys. Med. Biol., 1993, pp. 1311-1328, Vol.38	
	M	VARPULA, T., SEPPA, H., "Inductive Noise Thermometer: Practical Realization," Rev. Sci. Instrum., 1993, pp. 1593-1600, Vol.64 (6)	
	N	ROTH, B.J., WIKSWO, J.P. JR., "Electrical Stimulation of Cardiac Tissue: A Bidomain Model with Active Membrane Properties," IEEE Trans. Biomed. Engng., 1994, pp.232-240, Vol.41	
	O	BARACH, J.P., WIKSWO, J.P. JR., "Magnetic Fields from Simulated Cardiac Action Currents," 1994, IEEE Trans. Biomed. Engng. pp. 969-974, Vol.41	
	P	KIRTLEY, J.R., et al., "High-Resolution Scanning SQUID Microscope," 1995, Appl. Phys. Lett. pp. 1138-1140, Vol.66	
	Q	STATON, D.J., WIKSWO, J.P. JR., "Magnetic Inverse Method for Determination of Anisotropic Electrical Conductivities...," 1995, pp.671-675, IOS Press, Amsterdam, the Netherlands	
	R	CHEMLA, Y. R., et al., "A New Study of Bacterial Motion: Superconducting Quantum Interference Device Microscopy of Magnetotactic ...," Biophys. J., 1999, pp. 3323-3330, Vol.76	
	S	COCHRAN, A., et al., "Advances in the Theory and Practice of SQUID NDE," 1996, Rev. Prog. Quant. Nondestr. Eval., pp. 1151-1158, Vol.15	
	T	KIRTLEY, J.R., et al., "Direct Imaging of Integer and Half-Integer Josephson Vortices in High-Tc Grain Boundaries," 1996, Phys. Rev. Letr. pp.1336-1339, Vol.76 (8)	

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	U	LEE, T.S., et al., "High-Transition Temperature Superconducting Quantum Interference Device Microscope," 1996, Rev. Sci. Instrum., pp. 4208-4215, Vol.67 (12)	
	V	WIKSWO, J.P. JR., "High-Resolution Magnetic Imaging: Cellular Action Currents and Other Applications," 1996, pp. 307-360, Kluwer, the Netherlands	
	W	ABEDI, A., et al., "A Superconducting Quantum Interference Device Magnetometer System for Quantitative Analysis and imaging of Hidden..." 1999, pp. 4640-4651, Vol.70	
	X	CHATRAPHORN, S., et al., "High-Tc Scanning SQUID Microscopy: Imaging Integrated Circuits Beyond the Standard Near-Field Limit," 1999, Bull. Am. Phys. Soc., pp. 1554, Vol.44	
	Y	KIRTLEY, J.R., and WIKSWO, J.P. JR., "Scanning SQUID Microscopy," 1999, Annu. Rev. Mater. Sci., pp. 117-148, Vol.29	
	Z	LIN, S.F., WIKSWO, J.P., JR. "Panoramic Optical Imaging of Electrical Propagation in Isolated Heart," 1999, J. Biomed. Opt., pp. 200-207, Vol.4(2)	
	AA	WEISS, B.P., et al., "A Low Temperature Transfer of ALH84001 from Mars to Earth," 2000, Science, pp. 791-795, Vol.290	

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